

B A U S C H & L O M B I N C O R P O R A T E D

R O C H E S T E R 2, N E W Y O R K



AIR MAIL

May 16, 1961

The Stanford University
Medical Center
Department of Genetics
Palo Alto, California

Attention: Dr. Joshua Lederberg
Prof. of Genetics
Subject: Spectronic 505
Reference: Your letter of April 27

Dear Dr. Lederberg:

I am happy to hear that your Spectronic 505 is now working properly and that trouble with the light source and the hydrogen lamp no longer exists.

I have sent you under separate cover a service manual for the Spectronic 505 which you requested. This contains the wiring diagrams and circuits, along with the complete instructions for servicing of this instrument. We are making plans to have an engineer concerned with the Spectronic 505 visit the West Coast in the near future. Because there is no established time for this visit presently set up, I would like to get the details concerning the equipment which you may require. I would further like to say that we are finishing the design of a time rate accessory for the Spectronic 505. This accessory will consist of a second pot in conjunction with the linear potentiometer presently in the instrument. A driving voltage will be taken off this second pot, relative to the position of the pen on the Spectronic 505. This voltage can be sent into a strip chart recorder for long and consistent time rate recordings. The output from the second pot will have two ranges, one from 0 to 15 and the other from 0 to 115 millivolts. Almost any external equipment or recorder capable of accepting these ranges with a relatively high impedance will be feasible.

The setup for light scattering studies often depends on material involved and we would appreciate knowing your applications and details of the materials to be used.

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It is possible that light scattering measurements can be made with the reflectance attachment either before or after the integrating sphere. Also, details concerning the Densitometer for analysis of photographic plates would be greatly appreciated by our engineers.

I suggest that you outline what equipment you would want us to consult on or design for you.

Very truly yours,



Product Supervisor
Analytical and Photogrammetric
Instruments Section

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